

File 256:SoftBase:Reviews,Companies&Prods. 82-2004/Jan  
(c)2004 Info.Sources Inc  
File 2:INSPEC 1969-2004/Feb W3  
(c) 2004 Institution of Electrical Engineers  
File 35:Dissertation Abs Online 1861-2004/Jan  
(c) 2004 ProQuest Info&Learning  
File 65:Inside Conferences 1993-2004/Feb W4  
(c) 2004 BLDSC all rts. reserv.  
File 99:Wilson Appl. Sci & Tech Abs 1983-2004/Jan  
(c) 2004 The HW Wilson Co.  
File 233:Internet & Personal Comp. Abs. 1981-2003/Sep  
(c) 2003 EBSCO Pub.  
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
(c) 2002 The Gale Group  
File 474:New York Times Abs 1969-2004/Feb 23  
(c) 2004 The New York Times  
File 475:Wall Street Journal Abs 1973-2004/Feb 23  
(c) 2004 The New York Times

?ds

Set	Items	Description
S1	1	(FUEL OR PETROLEUM OR PETROL)() (DISPENS? OR FILL? ? OR FILLING? OR DISTRIBUT?) (3N) (SENSOR OR SENSORS OR SENSING OR DETECTOR? OR SIGNAL? ?)
S2	13	(ROBOTIC? OR AUTOMATE?) (3N) (FUEL OR PETROLEUM OR PETROL)() - (DISPENS? OR FILL? ? OR FILLING? OR DISTRIBUT?)
S3	6204	(DETECT? OR IDENTIF?) (3N) (AUTO? ? OR AUTOMOBILE? OR AUTOMOTIVE? OR VEHICLE? OR TRUCK? ? OR MOTOR?()VEHICLE? OR LORRY OR LORRIES OR CAR? ? OR FLEET? OR (AUTO OR MOTOR)()CAR? OR AUTOCAR? OR MOTORCAR? OR VAN? ?)
S4	14	S1 OR S2
S5	6236	S3 OR ((FILL OR FILLS OR GASES OR FUELS)()UP) (3N) (AUTO? ? - OR AUTOMOBILE? OR AUTOMOTIVE? OR VEHICLE? OR TRUCK? ? OR MOTOR?()VEHICLE? OR LORRY OR LORRIES OR CAR? ? OR FLEET? OR (AUTO OR MOTOR)()CAR? OR AUTOCAR? OR MOTORCAR? OR VAN)
S6	1	S4 AND S5
S7	415	(REMOTE OR DISTANT? OR SEPARATE? OR LOCATION? OR APART OR - FAR()OFF OR FAR()AWAY OR OFF()SITE? OR OFFSITE? OR REMOVED) (5-N) (RECEIPT? OR PRINT()OUT? OR ACCOUNTING?)
S8	0	S4 AND S7
S9	0	(FUEL OR PETROLEUM OR PETROL)() (DISPENS? OR FILL? ? OR FILLING? OR DISTRIBUT?)AND S7
S10	78	AU=(DICKSON, T? OR DICKSON T ?)
S11	0	S10 AND S4

6/5/1 (Item 1 from file: 583)  
DIALOG(R) File 583:Gale Group Globalbase(TM)  
(c) 2002 The Gale Group. All rts. reserv.

06308185

Shell's ghost stations

US: SHELL TESTING AUTOMATED PETROL STATIONS

Financial Times (FT) 10 May 1996 p.18

Language: ENGLISH

Shell Oil is testing a new fully- automated petrol filling station, 'Shell Express', at two sites in the US (one in Texas and the other in Ohio), whereby customers pre-pay for their petrol via a credit/debit card and then fill up as usual. Shell views the new station as more secure and less costly (as there is no need to employ attendants). Shell is looking at installing: an intercom, so that motorists with mechanical problems at Shell Express' can gain assistance from a local manned-Shell petrol station; machines to give directions to lost motorists.

(c) Financial Times 1996

COMPANY: SHELL OIL

PRODUCT: Garages & Filling Stations (5541); Fuel & Ice Dealers (5980);

EVENT: General Management Services (26); Product Design & Development (33);

COUNTRY: United States (1USA);

File 16:Gale Group PROMT(R) 1990-2004/Feb 24  
(c) 2004 The Gale Group  
File 148:Gale Group Trade & Industry DB 1976-2004/Feb 24  
(c) 2004 The Gale Group  
File 160:Gale Group PROMT(R) 1972-1989  
(c) 1999 The Gale Group  
File 275:Gale Group Computer DB(TM) 1983-2004/Feb 24  
(c) 2004 The Gale Group  
File 621:Gale Group New Prod.Annou.(R) 1985-2004/Feb 24  
(c) 2004 The Gale Group  
File 636:Gale Group Newsletter DB(TM) 1987-2004/Feb 24  
(c) 2004 The Gale Group  
File 9:Business & Industry(R) Jul/1994-2004/Feb 23  
(c) 2004 Resp. DB Svcs.  
File 15:ABI/Inform(R) 1971-2004/Feb 21  
(c) 2004 ProQuest Info&Learning  
File 20:Dialog Global Reporter 1997-2004/Feb 24  
(c) 2004 The Dialog Corp.  
File 95:TEME-Technology & Management 1989-2004/Feb W2  
(c) 2004 FIZ TECHNIK  
File 476:Financial Times Fulltext 1982-2004/Feb 24  
(c) 2004 Financial Times Ltd  
File 610:Business Wire 1999-2004/Feb 24  
(c) 2004 Business Wire.  
File 613:PR Newswire 1999-2004/Feb 24  
(c) 2004 PR Newswire Association Inc  
File 624:McGraw-Hill Publications 1985-2004/Feb 23  
(c) 2004 McGraw-Hill Co. Inc  
File 634:San Jose Mercury Jun 1985-2004/Feb 23  
(c) 2004 San Jose Mercury News  
File 810:Business Wire 1986-1999/Feb 28  
(c) 1999 Business Wire  
File 813:PR Newswire 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc

?ds

Set	Items	Description
S1	13	(FUEL OR PETROLEUM OR PETROL)() (DISPENS? OR FILL? ? OR FILLING? OR DISTRIBUT?) (5N) (SENSOR OR SENSORS OR SENSING OR DETECTOR? OR SIGNAL? ?)
S2	158	(ROBOTIC? OR AUTOMATE?) (5N) (FUEL OR PETROLEUM OR PETROL)() (DISPENS? OR FILL? ? OR FILLING? OR DISTRIBUT?)
S3	150998	(DETECT? OR IDENTIF?) (5N) (AUTO? ? OR AUTOMOBILE? OR AUTOMOTIVE? OR VEHICLE? OR TRUCK? ? OR MOTOR?()VEHICLE? OR LORRY OR LORRIES OR CAR? ? OR FLEET? OR (AUTO OR MOTOR)()CAR? OR AUTOCAR? OR MOTORCAR? OR VAN? ?)
S4	2382	((FILL OR FILLS OR GASES OR FUELS)()UP) (5N) (AUTO? ? OR AUTOMOBILE? OR AUTOMOTIVE? OR VEHICLE? OR TRUCK? ? OR MOTOR?()VEHICLE? OR LORRY OR LORRIES OR CAR? ? OR FLEET? OR (AUTO OR MOTOR)()CAR? ? OR AUTOCAR? OR MOTORCAR? OR VAN? ?)
S5	7866889	(REMOTE OR DISTANT? OR SEPARATE? OR LOCATION? OR APART OR FAR()OFF OR FAR()AWAY OR OFF()SITE? OR OFFSITE? OR REMOVED)
S6	15214	S5(5N) (RECEIPT? OR PRINT()OUT? OR ACCOUNTING?)
S7	156	AU=(DICKSON, T? OR DICKSON T ?)
S8	171	S1 OR S2
S9	153340	S3 OR S4
S10	9	S8(S)S9
S11	5	RD (unique items)
S12	0	S8(S)S6
S13	5	S8(S) (RECEIPT? OR PRINT()OUT? OR ACCOUNTING?)
S14	5	S13 NOT S11
S15	4	RD (unique items)
S16	4	S8(S) (REMOTE OR DISTANT? OR SEPARATE? OR LOCATION? OR APART OR FAR()OFF OR FAR()AWAY OR OFF()SITE? OR OFFSITE? OR REMOVE- D)

S17	3	S16 NOT (S11 OR S15)
S18	2	RD (unique items)
S19	0	S7(S)S8

11/3,K/1 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2004 The Gale Group. All rts. reserv.

06774406 Supplier Number: 57094744 (USE FORMAT 7 FOR FULLTEXT)  
**U.S. Xpress Launches E-commerce Customer Applications Via 3Com's Reliable,  
High-Speed Enterprise E-Network.**  
Business Wire, p1534  
Nov 2, 1999  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 1452

... payable, purchasing, fixed assets and payroll.  
U.S. Xpress is currently beta testing a customized **automated fuel  
dispensing** application, which will **identify trucks** at the fuel pump  
using a short-range radio frequency signal supplied by Symbol Technologies  
...

11/3,K/2 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2004 The Gale Group. All rts. reserv.

09182059 SUPPLIER NUMBER: 18956956 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Drive-by dispensing. (automated fuel dispensers) (includes related article)**  
Emond, Mark  
National Petroleum News, v88, n12, p47(3)  
Nov, 1996  
ISSN: 0149-5267 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 2523 LINE COUNT: 00197

ABSTRACT: Several companies are working to develop **automated fuel  
dispensing** systems. Gasboy International Inc.'s Fuel Point system is  
capable of directly reading **vehicle identification**, fuel authorization,  
the odometer and hour meters without requiring any form of human  
intervention. Petro...

11/3,K/3 (Item 1 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2004 The Gale Group. All rts. reserv.

04475550 Supplier Number: 57164752 (USE FORMAT 7 FOR FULLTEXT)  
**3COM: US Xpress launches e-commerce customer apps vivia 3Com's reliable,  
high-speed enterprise e-Network.**  
M2 Presswire, pNA  
Nov 3, 1999  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1459

... payable, purchasing, fixed assets and payroll.  
U.S. Xpress is currently beta testing a customized **automated fuel  
dispensing** application, which will **identify trucks** at the fuel pump  
using a short-range radio frequency signal supplied by Symbol Technologies  
...

11/3,K/4 (Item 1 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2004 The Dialog Corp. All rts. reserv.

27724769  
**Increased Mileage Is The Key Benefit Offering Huge Cost Savings**

FINANCIAL EXPRESS

February 24, 2003

JOURNAL CODE: WFEX LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 693

... kilometers run by a vehicle or engine hours run, through timely reminders on any leakage **detection** in the bunker or the **vehicle**, data on drivers speeding practices either as a histogram or a tachograph, logistics management through...

11/3,K/5 (Item 2 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2004 The Dialog Corp. All rts. reserv.

08061914 (USE FORMAT 7 OR 9 FOR FULLTEXT)

3COM: US Xpress launches e-commerce customer apps via 3Com's reliable, high-speed enterprise e-Network

M2 PRESSWIRE

November 03, 1999

JOURNAL CODE: WMPR LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1399

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... U.S. Xpress is currently beta testing a customized automated fuel dispensing application, which will **identify trucks** at the fuel pump using a short-range radio frequency signal supplied by Symbol Technologies

15/3,K/1 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2004 The Gale Group. All rts. reserv.

07613612 Supplier Number: 62169672 (USE FORMAT 7 FOR FULLTEXT)  
**Truckstops OF THE FUTURE. (Brief Article)**  
LEAVITT, WENDY  
Fleet Owner, v95, n4, p47  
April, 2000  
Language: English Record Type: Fulltext  
Article Type: Brief Article  
Document Type: Magazine/Journal; Trade  
Word Count: 1881

... the fuel itself and the data associated with the fueling transaction.

"We offer products to **automate** the **fuel dispensing** process and the paperwork surrounding it," he continues. "With the SmartFuel Island Card Reader System...

...provider; and they fuel. There's no waiting in line for a fuel ticket. The **receipt** is printed for them either right at the fuel island or at the fuel desk...

15/3,K/2 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2004 The Gale Group. All rts. reserv.

04622642 SUPPLIER NUMBER: 09363463 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**The ATM at age twenty: a productivity paradox. (Automated Teller Machine)**  
Haynes, Ray M.  
National Productivity Review, v9, n3, p273(8)  
Summer, 1990  
ISSN: 0277-8556 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 3283 LINE COUNT: 00270

... check-in area to speed customer car rental returns. ARCO's PayPoint machine allows fully **automated fuel dispensing** without human interaction unless a **receipt** is required. California and other states have tested automated lottery ticket dispenser that accept bank...

15/3,K/3 (Item 1 from file: 160)  
DIALOG(R)File 160:Gale Group PROMT(R)  
(c) 1999 The Gale Group. All rts. reserv.

01588656  
**NCR TARGETS NEW SOFTWARE AT DISTRIBUTION INDUSTRY.**  
NEWS RELEASE March 6, 1987 p. 11

...of software solutions for these markets. All three systems are built around a comprehensive general **accounting** system coupled with back office/counter order entry, inventory management, and purchase orders. The Petroleum...

... distributors to control the additional areas of convenience store/service station operation, bills of lading, **automated fuel dispensing**, tank billing and degree day **accounting**. The Parts Manager provides vehicle parts distributors/retailers with management control of cataloging, core banking...

15/3,K/4 (Item 1 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter

(c) 2004 The Dialog Corp. All rts. reserv.

11591428 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Automated fuel station in Electronics City soon**

Swati Sucharita

TIMES OF INDIA

June 21, 2000

JOURNAL CODE: WTIN LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 514

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... a daylight-visible, touch panel LCD with Smart Card and Magnetic Swipe Slots, with a **receipt** printer.

With the smart touch panel, the quantity of fuel needed can be keyed in...



18/3,K/1 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2004 The Gale Group. All rts. reserv.

14230391 SUPPLIER NUMBER: 82106830 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**A blast from the past: It was a trip I'd never forget... Under the hood of a real piece of automotive history. (Garage).**  
McCuistian, Richard  
Motor Age, 121, 1, 24(4)  
Jan, 2002  
ISSN: 0193-7022 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 2355 LINE COUNT: 00178

... system flush, the engine ran only slightly better, so I removed the screws holding the **fuel distributor** to the airflow **sensor** . With the **fuel distributor** raised free of the airflow **sensor** , gravity pressure should slide the piston slowly Out of its bore without sticking, and in this case it did just that. The injector flush had apparently **removed** any traces of sludge that might have been there, so I reattached the **fuel distributor** to the airflow **sensor** .

Incidentally, while it's okay to remove the fuel distributor like I did here, I...

18/3,K/2 (Item 2 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2004 The Gale Group. All rts. reserv.

09389786 SUPPLIER NUMBER: 19242146 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Fleet cards, marketers prosper with websites on the Internet. (World Wide Web) (includes related article on the definition of the Internet)**  
Emond, Mark  
National Petroleum News, v89, n2, p32(4)  
Feb, 1997  
ISSN: 0149-5267 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 3472 LINE COUNT: 00279

... of oil marketing published onsite, AutoGas's website explains that the company, a leader in **automated fuel dispensing** systems, "has identified a strategy and created a support system of software and hardware to allow mass merchandisers to locate multiple fuel islands in the **remote** areas of their parking lots and build both in-store and gasoline customer base through...

File 344:Chinese Patents Abs Aug 1985-2003/Nov  
     (c) 2003 European Patent Office  
 File 347:JAPIO Oct 1976-2003/Oct(Updated 040202)  
     (c) 2004 JPO & JAPIO  
 File 350:Derwent WPIX 1963-2004/UD,UM &UP=200412  
     (c) 2004 Thomson Derwent  
 File 348:EUROPEAN PATENTS 1978-2004/Feb W03  
     (c) 2004 European Patent Office  
 File 349:PCT FULLTEXT 1979-2002/UB=20040219,UT=20040212  
     (c) 2004 WIPO/Univentio  
 File 256:SoftBase:Reviews,Companies&Prods. 82-2004/Jan  
     (c)2004 Info.Sources Inc  
 File 2:INSPEC 1969-2004/Feb W3  
     (c) 2004 Institution of Electrical Engineers  
 File 35:Disertation Abs Online 1861-2004/Jan  
     (c) 2004 ProQuest Info&Learning  
 File 65:Inside Conferences 1993-2004/Feb W4  
     (c) 2004 BLDSC all rts. reserv.  
 File 99:Wilson Appl. Sci & Tech Abs 1983-2004/Jan  
     (c) 2004 The HW Wilson Co.  
 File 233:Internet & Personal Comp. Abs. 1981-2003/Sep  
     (c) 2003 EBSCO Pub.  
 File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
     (c) 2002 The Gale Group  
 File 474:New York Times Abs 1969-2004/Feb 23  
     (c) 2004 The New York Times  
 File 475:Wall Street Journal Abs 1973-2004/Feb 23  
     (c) 2004 The New York Times  
 File 16:Gale Group PROMT(R) 1990-2004/Feb 24  
     (c) 2004 The Gale Group  
 File 148:Gale Group Trade & Industry DB 1976-2004/Feb 24  
     (c)2004 The Gale Group  
 File 160:Gale Group PROMT(R) 1972-1989  
     (c) 1999 The Gale Group  
 File 275:Gale Group Computer DB(TM) 1983-2004/Feb 24  
     (c) 2004 The Gale Group  
 File 621:Gale Group New Prod.Annou.(R) 1985-2004/Feb 24  
     (c) 2004 The Gale Group  
 File 636:Gale Group Newsletter DB(TM) 1987-2004/Feb 24  
     (c) 2004 The Gale Group  
 File 9:Business & Industry(R) Jul/1994-2004/Feb 23  
     (c) 2004 Resp. DB Svcs.  
 File 15:ABI/Inform(R) 1971-2004/Feb 21  
     (c) 2004 ProQuest Info&Learning  
 File 20:Dialog Global Reporter 1997-2004/Feb 24  
     (c) 2004 The Dialog Corp.  
 File 95:TEME-Technology & Management 1989-2004/Feb W2  
     (c) 2004 FIZ TECHNIK  
 File 476:Financial Times Fulltext 1982-2004/Feb 24  
     (c) 2004 Financial Times Ltd  
 File 610:Business Wire 1999-2004/Feb 24  
     (c) 2004 Business Wire.  
 File 613:PR Newswire 1999-2004/Feb 24  
     (c) 2004 PR Newswire Association Inc  
 File 624:McGraw-Hill Publications 1985-2004/Feb 23  
     (c) 2004 McGraw-Hill Co. Inc  
 File 634:San Jose Mercury Jun 1985-2004/Feb 23  
     (c) 2004 San Jose Mercury News  
 File 810:Business Wire 1986-1999/Feb 28  
     (c) 1999 Business Wire  
 File 813:PR Newswire 1987-1999/Apr 30  
     (c) 1999 PR Newswire Association Inc  
 ?ds

Set      Items      Description

S1 33818 (GAS OR GASOLINE OR FUEL OR PETROLEUM OR PETROL) () (DISPENS?  
 OR FILL? ? OR FILLING? OR DISTRIBUT?) (5N) (SENSOR OR SENSORS -  
 OR SENSING OR DETECTOR? OR SIGNAL? ?) OR FILLING() STATION? ?  
 S2 230 (ROBOTIC? OR AUTOMATE? OR UNATTENDED) (5N) (FUEL OR PETROLEUM  
 OR PETROL) () (DISPENS? OR FILL? ? OR FILLING? OR DISTRIBUT?)  
 S3 264356 (DETECT? OR IDENTIF?) (5N) (AUTO? ? OR AUTOMOBILE? OR AUTOMO-  
 TIVE? OR VEHICLE? OR TRUCK? ? OR MOTOR? () VEHICLE? OR LORRY OR  
 LORRIES OR CAR? ? OR FLEET? OR (AUTO OR MOTOR) () CAR? OR AUTOC-  
 AR? OR MOTORCAR? OR VAN? ?)  
 S4 12001380 (REMOTE OR DISTANT? OR SEPARATE? OR LOCATION? OR APART OR -  
 FAR() OFF OR FAR() AWAY OR OFF() SITE? OR OFFSITE? OR REMOVED)  
 S5 19097 S4 (5N) (RECEIPT? OR PRINT() OUT? OR ACCOUNTING?)  
 S6 34028 S1 OR S2  
 S7 22 S6 (5N) S3  
 S8 18 RD (unique items)  
 S9 0 S8 (8N) S5  
 S10 1 S6 (5N) S5  
 S11 1 S10 NOT S8  
 S12 34 S6 (5N) (RECEIPT? OR PRINT() OUT? OR ACCOUNTING?)  
 S13 33 S12 NOT (S8 OR S11)  
 S14 29 RD (unique items)  
 S15 526 S6 (5N) (REMOTE OR DISTANT? OR SEPARATE? OR LOCATION? OR APA-  
 RT OR FAR() OFF OR FAR() AWAY OR OFF() SITE? OR OFFSITE? OR REMO-  
 VED)  
 S16 1 S15 (10N) (RECEIPT? OR PRINT() OUT? ? OR ACCOUNTING?)

8/3,K/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

014297141 \*\*Image available\*\*  
WPI Acc No: 2002-117844/200216  
XRPX Acc No: N02-088129

**Oil discharge system from tanker, prohibits discharge of oil when customer data and vehicle number at a filling station does not match with corresponding data stored in management computer**

Patent Assignee: TOKICO LTD (TOJC )  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001301897	A	20011031	JP 2000126428	A	20000426	200216 B

Priority Applications (No Type Date): JP 2000126428 A 20000426

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001301897	A		15	B67D-005/14	

Abstract (Basic):

... and vehicle number data read from vehicle number card match with respective customer data for **identifying filling station** and **vehicle** number data stored in management computer (46) during booking for oil delivery. A discharge prohibition...

8/3,K/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

013603164 \*\*Image available\*\*  
WPI Acc No: 2001-087371/200110  
XRPX Acc No: N01-067298

**Warning apparatus for petrol fill -up stations, has proximity sensor which detects occurrence of vehicles on stop frame and self servicing of fuel filling is completed**

Patent Assignee: TOKICO LTD (TOJC ); TOKIKO YUKI KK (TOKI-N)  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000335694	A	20001205	JP 99150632	A	19990528	200110 B

Priority Applications (No Type Date): JP 99150632 A 19990528

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000335694	A		6	B67D-005/06	

**Warning apparatus for petrol fill -up stations, has proximity sensor which detects occurrence of vehicles on stop frame and self servicing of fuel filling is completed**

8/3,K/3 (Item 3 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

013376154 \*\*Image available\*\*  
WPI Acc No: 2000-548092/200050  
Related WPI Acc No: 2000-236678  
XRPX Acc No: N00-405448

**Communication system for fuel management system for private filling stations belonging to private fleet operators, various public departments, checks identify of vehicle and presence of nozzle in**

**fuel inlet port for filling**

Patent Assignee: MICRON TECHNOLOGY INC (MICR-N)  
Inventor: BATES B G  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6085805	A	20000711	US 98105076	A	19980625	200050 B
			US 99443174	A	19991119	

Priority Applications (No Type Date): US 98105076 A 19980625; US 99443174 A 19991119

**Patent Details:**

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6085805	A	11	B65B-001/04		Cont of application US 98105076 Cont of patent US 6024142

**Communication system for fuel management system for private filling stations belonging to private fleet operators, various public departments, checks identify of vehicle and presence of nozzle in fuel inlet port for filling**

**8/3,K/4 (Item 4 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

013086913 \*\*Image available\*\*

WPI Acc No: 2000-258785/200023

XRPX Acc No: N00-192509

**Equipment for presenting information on a display unit on a fuel dispenser at a filling station transmits information electronically from a control device to a display unit integrated into a fuel dispenser nozzle filling device**

Patent Assignee: GOSSLER FLUIDTEC GMBH (GSSL )

Inventor: MORGENSTERN E

Number of Countries: 024 Number of Patents: 002

**Patent Family:**

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 989092	A1	20000329	EP 99118125	A	19990911	200023 B
DE 19843805	A1	20000330	DE 1043805	A	19980924	200023

Priority Applications (No Type Date): DE 1043805 A 19980924

**Patent Details:**

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 989092	A1	G	7	B67D-005/37	

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT

LI LT LU LV MC NL PT RO SE SI

DE 19843805 A1 G09G-003/00

**Abstract (Basic):**

... display is controlled selectively by a central control device  
(3). A sensor (9) at the **filling station detects** the type of **vehicle** to refueled, causing the central control unit to transfer appropriate information. Energy savings are made...

**8/3,K/5 (Item 5 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

012661387 \*\*Image available\*\*

WPI Acc No: 1999-467492/199939

**Identification system for a pay card , e.g. at a petrol filling station , - detects violation of the services pay box with a top card slit NoAbstract**

Patent Assignee: BARATA J (BARA-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
PT 102117	A	19990831	PT 102117	A	19980219	199939 B

Priority Applications (No Type Date): PT 102117 A 19980219

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
PT 102117	A		1	A45C-001/12	

Identification system for a pay card , e.g. at a petrol filling station , -

8/3,K/6 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

012301088 \*\*Image available\*\*

WPI Acc No: 1999-107194/199910

XRPX Acc No: N99-077435

**Automatic filling method for loose material transport vehicles - involves detecting position of vehicle load space at filling station for controlling movement of loading device**

Patent Assignee: SIEMENS AG (SIEI )

Inventor: POHLSCHEID M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 19731929	A1	19990128	DE 1031929	A	19970724	199910 B

Priority Applications (No Type Date): DE 1031929 A 19970724

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 19731929	A1		6	B65G-067/04	

... involves detecting position of vehicle load space at filling station for controlling movement of loading device

...Abstract (Basic): automatic filling method involves delivering the loose material to the transport vehicle (9) at a filling station , with the position of the vehicle load space detected for controlling a movable loading device (6-8) displaced between a supply location for the...

8/3,K/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

011601258 \*\*Image available\*\*

WPI Acc No: 1998-018386/199802

XRPX Acc No: N98-014014

**Fuel vapour detection and recovery system for vehicle filling station pump - uses fuel delivery hose with vapour passage that contains sensor connected to CPU which generates control signal to vapour recovery pump**

Patent Assignee: MARCONI COMMERCE SYSTEMS INC (MAON ); GILBARCO INC (GILB-N); GILBARCO LTD (GILB-N)

Inventor: HARTSELL H C; MILLER P D; PAYNE E A; TUCKER M B

Number of Countries: 020 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9744274	A1	19971127	WO 97GB1374	A	19970519	199802 B
US 5782275	A	19980721	US 96649455	A	19960517	199836

EP 958235	A1	19991124	EP 97923206	A	19970519	199954
			WO 97GB1374	A	19970519	
US 5992395	A	19991130	US 96649455	A	19960517	200003
			US 9822296	A	19980211	
EP 958235	B1	20030205	EP 97923206	A	19970519	200318
			WO 97GB1374	A	19970519	
DE 69718938	E	20030313	DE 618938	A	19970519	200326
			EP 97923206	A	19970519	
			WO 97GB1374	A	19970519	

Priority Applications (No Type Date): US 96649455 A 19960517; US 9822296 A 19980211

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9744274	A1	E	30	B67D-005/04	
Designated States (National): CA MX					
Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE					
US 5782275	A			B65B-001/30	
EP 958235	A1	E		B67D-005/04	Based on patent WO 9744274
Designated States (Regional): DE FR GB IT					
US 5992395	A			F02M-037/04	Div ex application US 96649455
Div ex patent US 5782275					
EP 958235	B1	E		B67D-005/04	Based on patent WO 9744274
Designated States (Regional): DE FR GB IT					
DE 69718938	E			B67D-005/04	Based on patent EP 958235
Based on patent WO 9744274					

**Fuel vapour detection and recovery system for vehicle filling station pump...**

**8/3,K/8 (Item 8 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

003102340

WPI Acc No: 1981-L2389D/198144

**Guidance system for vehicle queue at petrol filling station - has sensors to detect vehicle position and display to indicate pump availability**

Patent Assignee: REMSCHEIDT K H (REMS-I)

Inventor: REMSCHEIDT K H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3013080	A	19811022				198144 B

Priority Applications (No Type Date): DE 3013080 A 19800403

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 3013080	A		3		

...Abstract (Basic): The system has a number of sensors to **detect** the location of **vehicles** in the **filling station** area. Other detect the condition and availability of filling pumps. A display is provided to...

**8/3,K/9 (Item 9 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

001292485

WPI Acc No: 1975-H6398W/197530

**Automated dispensing appts. for motor fuel - for operation with credit cards activates dispensing mechanism if card data are satisfactory**

Patent Assignee: ATLANTIC RICHFIELD CO (ATLF )  
Number of Countries: 002 Number of Patents: 002  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 1400654	A	19750723				197530 B
CA 997841	A	19760928				197642

Priority Applications (No Type Date): US 72256748 A 19720525

...Abstract (Basic): The appts. includes a receiver for examining the **card** and **identifying** data on the **card** , and producing appropriate **signals** , a **petrol dispensing** mechanism, and a data bank. The card receiver returns the card to the customer after...

8/3,K/10 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2004 European Patent Office. All rts. reserv.

01131913

Device for the presentation of information on a display in a dispensing nozzle of a fuel delivery location

Einrichtung zur Präsentation einer Information auf einer Anzeigeeinheit einer Zapfpistole einer Tankstelle

Dispositif de presentation d'informations sur un afficheur situe sur un pistolet distributeur de carburant

PATENT ASSIGNEE:

Gossler Fluidtec GmbH, (2430150), Borsigstrasse 4 - 6, 21465 Reinbek, (DE), (Applicant designated States: all)

INVENTOR:

Morgenstern, Erich, Kielmannseggstrasse 162, 22043 Hamburg, (DE)

LEGAL REPRESENTATIVE:

Hansmann, Dierk, Dipl.-Ing. et al (4942), Patentanwälte

Hansmann-Klickow-Hansmann Jessenstrasse 4, 22767 Hamburg, (DE)

PATENT (CC, No, Kind, Date): EP 989092 A1 000329 (Basic)

APPLICATION (CC, No, Date): EP 99118125 990911;

PRIORITY (CC, No, Date): DE 19843805 980924

DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; RO; SI

INTERNATIONAL PATENT CLASS: B67D-005/37; G09F-023/02

TRANSLATED ABSTRACT WORD COUNT: 90

ABSTRACT WORD COUNT: 78

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): German; German; German

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(German)	200013	257
SPEC A	(German)	200013	1455
Total word count - document A			1712
Total word count - document B			0
Total word count - documents A + B			1712

...ABSTRACT display is controlled selectively by a central control device (3). A sensor (9) at the **filling station detects** the type of **vehicle** to refueled, causing the central control unit to transfer appropriate information. Energy savings are made...

8/3,K/11 (Item 2 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2004 European Patent Office. All rts. reserv.

00294313



Liquid supply apparatus.

Flussigkeitsversorgungsapparat.

Appareil pour alimentation en liquide.

PATENT ASSIGNEE:

JUNKOSHA CO. LTD., (425100), 25-25, Miyasaka 2-chome, Setagaya-ku Tokyo  
156, (JP), (applicant designated states: AT;CH;DE;FR;IT;LI;NL;SE)

INVENTOR:

Akiba, Jyuji, Junkosha Co.,Ltd. 25-25, Miyasaka 2-chome, Setagaya-ku  
Tokyo, (JP)

Sugibuchi, Hiroyuki, Junkosha Co.,Ltd. 25-25, Miyasaka 2-chome,  
Setagaya-ku Tokyo, (JP)

Kojima, Kazuyuki, Junkosha Co.,Ltd. 25-25, Miyasaka 2-chome, Setagaya-ku  
Tokyo, (JP)

Satoh, Hiroshi, Junkosha Co.,Ltd. 25-25, Miyasaka 2-chome, Setagaya-ku  
Tokyo, (JP)

LEGAL REPRESENTATIVE:

Kehl, Gunther, Dipl.-Phys. et al (48351), Patentanwalte Hagemann & Kehl  
Ismaninger Strasse 108 Postfach 86 03 29, W-8000 Munchen 86, (DE)

PATENT (CC, No, Kind, Date): EP 298464 A2 890111 (Basic)

EP 298464 A3 890322

EP 298464 B1 930120

APPLICATION (CC, No, Date): EP 88110811 880706;

PRIORITY (CC, No, Date): JP 87171808 870709

DESIGNATED STATES: AT; CH; DE; FR; IT; LI; NL; SE

INTERNATIONAL PATENT CLASS: B67D-005/32;

ABSTRACT WORD COUNT: 81

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	198
CLAIMS B	(German)	EPBBF1	362
CLAIMS B	(French)	EPBBF1	484
SPEC B	(English)	EPBBF1	2017
Total word count - document A			0
Total word count - document B			3061
Total word count - documents A + B			3061

...SPECIFICATION preventing the accidentally adding of automotive diesel  
fuel to the fuel tank of a gasoline **fuel vehicle** at retail **filling**  
**stations** the vapour pressure in the tank to be filled is measured by  
means of a...

8/3,K/12 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2004 WIPO/Univentio. All rts. reserv.

00770739 \*\*Image available\*\*

**WIRELESS VEHICLE FUEL STATION VEHICLE FUEL IDENTIFIER AND CONTROLLER**

**INDICATEUR ET UNITE DE COMMANDE HERTZIENS POUR VEHICULE ET STATION DE  
DISTRIBUTION DE CARBURANT**

Patent Applicant/Assignee:

IDMICRO INC, 1019 Pacific Avenue, 13th floor, Tacoma, WA 98402, US, US  
(Residence), US (Nationality)

Inventor(s):

STEWART Gregory M, 301 Henly Court, Steilacoom, WA 98402, US

Legal Representative:

KINDNESS Gary S, Christensen O'Connor Johnson & Kindness PLLC, 2800  
Suite, 1420 Fifth Avenue, Seattle, WA 98101-2347, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200103983 A1 20010118 (WO 0103983)

Application: WO 2000US18697 20000707 (PCT/WO US0018697)

Priority Application: US 99143000 19990708

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 3101

Fulltext Availability:

Detailed Description

Detailed Description

... other entities that maintain a large fleet of vehicles require operators to obtain fuel at **unattended fuel - dispensing** stations. Usually the **vehicle** operator has some form of **identification**, such as an access **card**, that, when read by a reader, enables a fuel dispenser located at an unattended fuel...

8/3,K/13 (Item 1 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2004 The Gale Group. All rts. reserv.

06774406 Supplier Number: 57094744 (USE FORMAT 7 FOR FULLTEXT)

**U.S. Xpress Launches E-commerce Customer Applications Via 3Com's Reliable, High-Speed Enterprise E-Network.**

Business Wire, p1534

Nov 2, 1999

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 1452

... payable, purchasing, fixed assets and payroll.

U.S. Xpress is currently beta testing a customized **automated fuel dispensing** application, which will **identify trucks** at the fuel pump using a short-range radio frequency signal supplied by Symbol Technologies

...

8/3,K/14 (Item 1 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

(c) 2004 The Gale Group. All rts. reserv.

04475550 Supplier Number: 57164752 (USE FORMAT 7 FOR FULLTEXT)

**3COM: US Xpress launches e-commerce customer apps vivia 3Com's reliable, high-speed enterprise e-Network.**

M2 Presswire, pNA

Nov 3, 1999

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 1459

... payable, purchasing, fixed assets and payroll.

U.S. Xpress is currently beta testing a customized **automated fuel dispensing** application, which will **identify trucks** at the fuel pump using a short-range radio frequency signal supplied by Symbol Technologies

...

8/3,K/15 (Item 1 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2004 The Dialog Corp. All rts. reserv.

28526817 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**DOTC pushes CNG-fueled vehicles**

SECTION TITLE: Motoring

Charles E. Buban

PHILIPPINE DAILY INQUIRER, p7

April 10, 2003

JOURNAL CODE: WDPI LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 669

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... of CNG as an alternative fuel to diesel such as market price computation, conversion of **vehicles** and **identifying** infrastructures needed (like **filling stations**) for CNG

There are now ongoing tests in the countryside on vehicles using CNG to...

**8/3,K/16 (Item 2 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

(c) 2004 The Dialog Corp. All rts. reserv.

23431767 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Bandits Kill 2, Injure 1 in K20m Daylight Robbery**

Reuben Phiri

POST (ZAMBIA) (AAGM)

June 18, 2002

JOURNAL CODE: POZA LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 323

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... intensive care unit at UTH," he said. Kajoba said the deceased were employees of Mobil **Filling station** along Los Angeles Road and **identified** the driver of the **vehicle** as Chakaleka while the other person has been identified as Fred Chakambole.

No arrests were...

**8/3,K/17 (Item 3 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

(c) 2004 The Dialog Corp. All rts. reserv.

08061914 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**3COM: US Xpress launches e-commerce customer apps via 3Com's reliable, high-speed enterprise e-Network**

M2 PRESSWIRE

November 03, 1999

JOURNAL CODE: WMPR LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1399

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... payable, purchasing, fixed assets and payroll.

U.S. Xpress is currently beta testing a customized **automated fuel dispensing** application, which will **identify trucks** at the fuel pump using a short-range radio frequency signal supplied by Symbol Technologies

**8/3,K/18 (Item 4 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

(c) 2004 The Dialog Corp. All rts. reserv.

07684097 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Minister rejects hi-tech move to cut petrol prices**

WILLIAM CHISHOLM

SCOTSMAN, p6

October 11, 1999

JOURNAL CODE: FSCT LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 431

... travel by car with a plastic card entitling them to a petrol price cut at **filling stations**. The technology, using an **identification card** with a concealed postcode, has already been tried in Germany.

11/3,K/1 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2004 WIPO/Univentio. All rts. reserv.

01039476 \*\*Image available\*\*

MASTER DISPENSER DISPLAY WITH MULTIPLE COMMUNICATION INTERFACES ALLOWING  
VIRTUAL TRANSACTION TICKET  
AFFICHAGE DISTRIBUTEUR MAITRE A INTERFACES DE COMMUNICATION MULTIPLES A  
TICKET DE TRANSACTION VIRTUEL

Patent Applicant/Assignee:

TOKHEIM CORPORATION, 1600 Wabash Avenue, Fort Wayne, IN 46802, US, US

(Residence), US (Nationality)

Inventor(s):

MALONE Michel, 15, rue des Fleurs, F-14670 Saint-Samson, FR,

Legal Representative:

KNUTH Randall (agent), 3510-A Stelhorn Road, Fort Wayne, IN 46815-4631,  
US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200369432 A2 20030821 (WO 0369432)

Application: WO 2003US3964 20030211 (PCT/WO US0303964)

Priority Application: US 2002355873 20020211

Designated States: CA

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT SE SI  
SK TR

Publication Language: English

Filing Language: English

Fulltext Word Count: 17477

Fulltext Availability:

Claims

Claim

... to dispense fuel using the  
5 first information.

64 A fuel dispenser apparatus, comprising:

a **fuel dispenser** assembly;

an electronic transaction **receipt signal** generator;

a **remote** communications module; and

69

a processor, said processor being operably coupled to

said signal generator...

14/3,K/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2004 JPO & JAPIO. All rts. reserv.

06163915 \*\*Image available\*\*  
METHOD FOR RECORDING VEHICLE INSPECTION

PUB. NO.: 11-105460 [JP 11105460 A]  
PUBLISHED: April 20, 1999 (19990420)  
INVENTOR(s): SHIMURA TAKEICHIRO  
APPLICANT(s): SHIMURA KK  
APPL. NO.: 09-284599 [JP 97284599]  
FILED: October 01, 1997 (19971001)

ABSTRACT

...and the like by a printer. The second form 3 is stored as a commodity receipt at a gas filling station side. These forms 2, 3 have vehicle inspection item columns 5, 6 in which contents...

14/3,K/2 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

014783796 \*\*Image available\*\*  
WPI Acc No: 2002-604502/200265  
XRPX Acc No: N02-479551

**Refueling system in filling station, issues receipt describing balance amount automatically, when amount paid by customer is larger than refueling amount**

Patent Assignee: TOKICO LTD (TOJC )  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002205799	A	20020723	JP 2000402131	A	20001228	200265 B

Priority Applications (No Type Date): JP 2000402131 A 20001228

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2002205799	A	7	B67D-005/24	

**Refueling system in filling station, issues receipt describing balance amount automatically, when amount paid by customer is larger than refueling amount**

14/3,K/3 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

014315939 \*\*Image available\*\*  
WPI Acc No: 2002-136641/200218  
XRPX Acc No: N02-103674

**Refueling system for self-service filling station has receipt issuing unit that publishes receipt which includes amount of change returned**

Patent Assignee: TOKICO LTD (TOJC )  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002002895	A	20020109	JP 2000190158	A	20000623	200218 B

Priority Applications (No Type Date): JP 2000190158 A 20000623

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
JP 2002002895 A 9 B67D-005/24

**Refueling system for self-service filling station has receipt issuing unit that publishes receipt which includes amount of change returned**

**14/3,K/4 (Item 3 from file: 350)**  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

012733304 \*\*Image available\*\*  
WPI Acc No: 1999-539421/199945  
XRPX Acc No: N99-399677

**Receipt presenter for dispenser in unmanned station, kiosk, automated teller machine, fuel dispensing pump**

Patent Assignee: BDT PROD INC (BDTB-N)  
Inventor: KLEIN G F; WEIST G R  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5954438	A	19990921	US 97960659	A	19971030	199945 B

Priority Applications (No Type Date): US 97960659 A 19971030

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5954438	A		7	B41J-011/26	

Abstract (Basic):

... For **receipt printer in kiosk, automated teller machine, fuel dispenser**.

**14/3,K/5 (Item 4 from file: 350)**  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

001255678  
WPI Acc No: 1975-D9493W/197515

**Petrol filling station accounting system - dispensed amounts and value dat signals give indication via computer**

Patent Assignee: AVERY-HARDOLL LTD (AVER-N)  
Number of Countries: 004 Number of Patents: 004  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 2445740	A	19750403				197515 B
SE 7411967	A	19750421				197520
FR 2244705	A	19750523				197526
GB 1485264	A	19770908				197736

Priority Applications (No Type Date): GB 7344950 A 19730925

**Petrol filling station accounting system...**

**14/3,K/6 (Item 1 from file: 348)**  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2004 European Patent Office. All rts. reserv.

00875941  
**Pump for electrically conductive coating materials**  
**Pumpe fur elektrisch leitende Beschichtungsmaterialien**  
**Pompe pour materiaux de revetement conducteur**

PATENT ASSIGNEE:

NORDSON CORPORATION, (402644), 28601 Clemens Road, Westlake, Ohio  
44145-1119, (US), (Proprietor designated states: all)

INVENTOR:

Lash, Edward, 11846 Spencer Mills, Spencer, Ohio 44275, (US)  
Konieczynski, Ronald D., 3947 West Sprague Road, North Royalton, Ohio  
44133, (US)

LEGAL REPRESENTATIVE:

Findlay, Alice Rosemary et al (69451), Lloyd Wise Commonwealth House,  
1-19 New Oxford Street, London WC1A 1LW, (GB)

PATENT (CC, No, Kind, Date): EP 801994 A2 971022 (Basic)  
EP 801994 A3 990310  
EP 801994 B1 031210

APPLICATION (CC, No, Date): EP 97302634 970417;

PRIORITY (CC, No, Date): US 633693 960419

DESIGNATED STATES: DE; FR; IT

INTERNATIONAL PATENT CLASS: B05B-005/16; F04B-009/133

ABSTRACT WORD COUNT: 117

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199710W3	884
CLAIMS B	(English)	200350	898
CLAIMS B	(German)	200350	867
CLAIMS B	(French)	200350	1023
SPEC A	(English)	199710W3	5834
SPEC B	(English)	200350	5932
Total word count - document A			6719
Total word count - document B			8720
Total word count - documents A + B			15439

...CLAIMS control device, the control device being effective to cause the  
shuttle to move to the **filling station** in response to **receipt**  
of said signal from the sensor on the first end of the housing and to  
...

...CLAIMS 128), the control device being effective to cause the shuttle  
(116) to move to the **filling station** (110) in response to  
**receipt** of said signal from the sensor (54) on the first end of the  
housing and...

14/3,K/7 (Item 1 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)

(c) 2002 The Gale Group. All rts. reserv.

05882502

Konkurrenz zu Supermaerkten

GERMANY: CONOCO MINERALOEL GETS GOING IN EAST

Handelsblatt (HT) 27/28 Aug 1993 p.13

Language: GERMAN

... about 20 "Jet" stations in east Germany. There are currently about  
650-700 supermarket-linked **filling stations** nationwide, **accounting**  
for 7-8% of the petrol market. Of these, 55 are in the east. Conoco...

14/3,K/8 (Item 2 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)

(c) 2002 The Gale Group. All rts. reserv.

05114655



Gearing Up For Growth

UK - REVIEW OF SUPERSTORE FUEL SALES  
Retail Week (RWK) 22 May 1992 p12

... many foodstore operators committed to major expansion plans. Tesco represents 37% of the superstore petrol **filling station** market, with Asda **accounting** for 27% and Sainsbury's at 18%. The development of petrol filling stations on such...

14/3,K/9 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2004 The Gale Group. All rts. reserv.

10011271 Supplier Number: 90624411 (USE FORMAT 7 FOR FULLTEXT)  
**Enhance the oil-product management level by high science and technology.**  
(Newsdesk). (Veeder-Root) (Brief Article) (Interview)  
Clawson, Scott  
China Chemical Reporter, v13, n22, p9(1)  
August 6, 2002  
Language: English Record Type: Fulltext  
Article Type: Brief Article; Interview  
Document Type: Magazine/Journal; Trade  
Word Count: 614

... more than 120 000 oil tanks and 30 000 - 40 000 filling stations at the **filling station** service center, **accounting** for 65% of the total service market of the United States. Veeder-Root signed an...

14/3,K/10 (Item 2 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2004 The Gale Group. All rts. reserv.

09707707 Supplier Number: 84670033 (USE FORMAT 7 FOR FULLTEXT)  
**Linde gets the measure of its gases: High hopes for health care sales growth.** (Companies). (Linde AG) (Statistical Data Included)  
Alperowicz, Natasha; Hunter, David  
Chemical Week, v164, n15, p37(2)  
April 10, 2002  
Language: English Record Type: Fulltext  
Article Type: Statistical Data Included  
Document Type: Magazine/Journal; Trade  
Word Count: 1186

... that had been achieved by the end of 2001. "We are closing industrial gas cylinder **filling stations**, combining sales and **accounting** operations, and optimizing air separation facilities," he says. He expects to reduce staffing by about...

14/3,K/11 (Item 3 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2004 The Gale Group. All rts. reserv.

09174374 Supplier Number: 79915529 (USE FORMAT 7 FOR FULLTEXT)  
**Seize the Chance of the Olympic Games Upgrade Petroleum and Chemical Industries.**  
Guohua, Ma  
China Chemical Reporter, v12, n30, p22  
Oct 26, 2001  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 2299

... project department in Beijing to exploit the victory. The project department has constructed 20 CNG **filling stations** in Beijing, **accounting** for half of the total gas filling stations in the city. Besides, the project department...

14/3,K/12 (Item 4 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2004 The Gale Group. All rts. reserv.

07948867 Supplier Number: 66421741 (USE FORMAT 7 FOR FULLTEXT)  
**CHINA'S CHENGDU OPENS SERVICE, TRADE FIELDS TO FOREIGN INVESTORS.**  
AsiaPulse News, p0655  
Oct 27, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 139

... also open the fields of advertising, engineering designing and building, Internet ICP and ISP service, **filling station**, distribution center, lawyering and **accounting** offices to foreigners.

14/3,K/13 (Item 5 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2004 The Gale Group. All rts. reserv.

05906272 Supplier Number: 53124443 (USE FORMAT 7 FOR FULLTEXT)  
**Active Business Expansion by Shell Group in China.**  
China Chemical Reporter, p4(1)  
Oct 16, 1998  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 339

... in China.

In Hong Kong, Shell owns the biggest filling network which has around 60 **filling stations**, **accounting** for one-third of the total filling stations in Hong Kong. At the same time...

14/3,K/14 (Item 6 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2004 The Gale Group. All rts. reserv.

01249407 Supplier Number: 41449815  
**El chollo de las gasolineras**  
Actualidad Economica, p26  
July 22, 1990  
Language: Spanish; NONENGLISH Record Type: Abstract  
Document Type: Magazine/Journal; Trade

ABSTRACT:

...multinationals. Studies reveal that the Spanish market has room for a further 1,500-3k **filling stations**, Spain currently **accounting** for 7.2% of EC sales of diesel and petrol for vehicles. Multinationals including Shell...

14/3,K/15 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2004 The Gale Group. All rts. reserv.

04622642 SUPPLIER NUMBER: 09363463 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**The ATM at age twenty: a productivity paradox. (Automated Teller Machine)**

Haynes, Ray M.

National Productivity Review, v9, n3, p273(8)

Summer, 1990

ISSN: 0277-8556

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 3283

LINE COUNT: 00270

... check-in area to speed customer car rental returns. ARCO's PayPoint machine allows fully **automated fuel dispensing** without human interaction unless a **receipt** is required. California and other states have tested automated lottery ticket dispenser that accept bank...

**14/3,K/16 (Item 1 from file: 160)**

DIALOG(R)File 160:Gale Group PROMT(R)

(c) 1999 The Gale Group. All rts. reserv.

01588656

**NCR TARGETS NEW SOFTWARE AT DISTRIBUTION INDUSTRY.**

NEWS RELEASE March 6, 1987 p. 11

... distributors to control the additional areas of convenience store/service station operation, bills of lading, **automated fuel dispensing**, tank billing and degree day **accounting**. The Parts Manager provides vehicle parts distributors/retailers with management control of cataloging, core banking...

**14/3,K/17 (Item 1 from file: 9)**

DIALOG(R)File 9:Business & Industry(R)

(c) 2004 Resp. DB Svcs. All rts. reserv.

3414137 Supplier Number: 03414137 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Linde gets the measure of its gases: High hopes for health care sales growth.**

Chemical Week, v 164, n 15, p 37(2)

April 10, 2002

DOCUMENT TYPE: Journal ISSN: 0009-272X (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 1125

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...that had been achieved by the end of 2001. "We are closing industrial gas cylinder **filling stations**, combining sales and **accounting** operations, and optimizing air separation facilities," he says. He expects to reduce staffing by about...

**14/3,K/18 (Item 1 from file: 15)**

DIALOG(R)File 15:ABI/Inform(R)

(c) 2004 ProQuest Info&Learning. All rts. reserv.

02349692 115165826

**Linde gets the measure of its gases**

Alperowicz, Natasha; Hunter, David

Chemical Week v164n15 PP: 37-38 Apr 10, 2002

ISSN: 0009-272X JRNL CODE: CEM

WORD COUNT: 1138

...TEXT: that had been achieved by the end of 2001. "We are closing industrial gas cylinder **filling stations**, combining sales and **accounting** operations, and optimizing air separation facilities," he says. He expects to reduce staffing by about...

14/3,K/19 (Item 2 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2004 ProQuest Info&Learning. All rts. reserv.

01981455 49074656

**One year older, but is the euro any wiser?**

Lewis, Richard

PPI v42n1 PP: 46-47 Jan 2000

ISSN: 0033-409X JRNL CODE: PPI

WORD COUNT: 1639

...TEXT: happened to the money. Not a lot, but something. Restaurant and hotel bills, supermarket and **filling station receipts** show two prices - the local one and the euro version. Although not much of a...

14/3,K/20 (Item 3 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2004 ProQuest Info&Learning. All rts. reserv.

01887569 05-38561

**News from Europe**

Anonymous

Management Services v43n9 PP: 22 Sep 1999

ISSN: 0307-6768 JRNL CODE: MNS

WORD COUNT: 957

...TEXT: fuel

When company car, van or lorry drivers claim their fuel expenses, they usually get **receipts** from the **filling station** but not a VAT invoice made out specifically to the company. When the company then...

14/3,K/21 (Item 1 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2004 The Dialog Corp. All rts. reserv.

31999005 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Magistrates' court hearings**

NORTHERN ECHO

October 10, 2003

JOURNAL CODE: FTNE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 108

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... ADMITTED:Linda Ann Harrison, 40, of Dodds Street, Darlington, admitted theft from her employers, a **filling station**, and false **accounting**. She was given a 12month community rehabilitation order and ordered to pay GBP23 compensation and...

14/3,K/22 (Item 2 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2004 The Dialog Corp. All rts. reserv.

30321155 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Rising oil demand fuels battle for pumps, HONG KONG IMAIL**

WORLD SOURCES (ENGLISH)

June 06, 2003

JOURNAL CODE: WWOS LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 700

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... market next year under China's World Trade Organisation commitments.

Both have snapped up independent **filling stations** in recent months, **accounting** for half the national total of 80,000 outlets.

The remainder are also indirectly controlled...

14/3,K/23 (Item 3 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2004 The Dialog Corp. All rts. reserv.

30177936 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**MPs to Quiz Ssendaula Over Declining Economy**

Kennedy Lule

MONITOR (UGANDA) - AAGM

July 16, 2003

JOURNAL CODE: FMKU LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 307

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... Gomba) said SPRS officials recently confiscated fuel from traders in his constituency yet they had **receipts** from **filling stations**.

He accused SPRS of threatening to shoot traders who questioned their operations.

Distributed by AllAfrica...

14/3,K/24 (Item 4 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2004 The Dialog Corp. All rts. reserv.

29511510 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Rising oil demand fuels battle for pumps**

Enjoyce Chu

STANDARD

June 06, 2003

JOURNAL CODE: WHKS LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 689

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... market next year under China's World Trade Organisation commitments. Both have snapped up independent **filling stations** in

recent months, **accounting** for half the national total of 80,000 outlets. The remainder are also indirectly controlled...

14/3,K/25 (Item 5 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2004 The Dialog Corp. All rts. reserv.

26330254 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Zimbabwe: National Oil Company forms fuel procurement, distribution partnership**

Unattributed report: "Noczim forges fuel partnership"

WORLD NEWS CONNECTION

November 28, 2002

JOURNAL CODE: WWNC LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 483

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... tankers to collect fuel from the Msasa and Feruka depots would be required to produce **receipts** from **filling stations** to ensure the fuel reached the intended destination.

He said the short supply of fuel...

**14/3,K/26 (Item 6 from file: 20)**  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2004 The Dialog Corp. All rts. reserv.

14348115

**Hypermarkets are also crushing petrol sellers (Hypermarkety drti i prodejece pohonných hmot)** (translated English abstract)

HOSPODARSKE NOVINY, p1

December 21, 2000

JOURNAL CODE: WHPN LANGUAGE: Czech RECORD TYPE: ABSTRACT

WORD COUNT: 126

... have to adapt to these prices, which are unfavourable for them. In some cases, such **filling stations** are **accounting** losses.

The fuel distributing company OMV thinks, however, that this situation is caused only by...

**14/3,K/27 (Item 7 from file: 20)**  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2004 The Dialog Corp. All rts. reserv.

12501163 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**AFP Says Clinton Visit Caps Turnaround in US-Nigerian Relations**

WORLD NEWS CONNECTION

August 20, 2000

JOURNAL CODE: WWNC LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 551

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... exporter, with most of the 2.03 million barrels daily production ending up at US **filling stations**, **accounting** for eight percent of US fuel needs.

US companies Chevron, Mobil and Texaco play a...

**14/3,K/28 (Item 8 from file: 20)**  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2004 The Dialog Corp. All rts. reserv.

10586898

**Lorry firm boss jailed for tax and duty**

NORTHERN ECHO, p06

April 15, 2000

JOURNAL CODE: FTNE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 295

... November 96. Analysis of invoices revealed many were not declared for Vat purposes, while petrol **receipts** were forged from **filling stations** to disguise his purchase of "duty-free" fuel. Derek Duffy, for Young, said he built...

**14/3,K/29 (Item 9 from file: 20)**  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2004 The Dialog Corp. All rts. reserv.

05244053 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
EXCISE TAX INCREASES TO GENERATE 8.3 BLN RUBLES IN 1999  
INTERFAX  
May 06, 1999  
JOURNAL CODE: WIRA LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 230

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... A  
increase will generate an additional 2.7 billion rubles in bud  
revenues.

Finally, tax **receipts** from **filling stations** will produce about 4 billion rubles. "That could be done with a 150% increase in...

16/3,K/1 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2004 WIPO/Univentio. All rts. reserv.

01039476 \*\*Image available\*\*

**MASTER DISPENSER DISPLAY WITH MULTIPLE COMMUNICATION INTERFACES ALLOWING  
VIRTUAL TRANSACTION TICKET  
AFFICHAGE DISTRIBUTEUR MAITRE A INTERFACES DE COMMUNICATION MULTIPLES A  
TICKET DE TRANSACTION VIRTUEL**

Patent Applicant/Assignee:

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Inventor(s):

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Legal Representative:

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US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200369432 A2 20030821 (WO 0369432)

Application: WO 2003US3964 20030211 (PCT/WO US0303964)

Priority Application: US 2002355873 20020211

Designated States: CA

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT SE SI  
SK TR

Publication Language: English

Filing Language: English

Fulltext Word Count: 17477

Fulltext Availability:

Claims

Claim

... to dispense fuel using the  
5 first information.

64 A fuel dispenser apparatus, comprising:

a **fuel dispenser** assembly;

an electronic transaction **receipt signal** generator;

a **remote** communications module; and

69

a processor, said processor being operably coupled to  
said signal generator...